

Title (en)

PROCESS FOR PRODUCING A COMPONENT, IN PARTICULAR A VEHICLE BODY PART, AND PRODUCTION LINE FOR CARRYING OUT THE PROCESS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BAUTEILS, INSBESONDERE EINES KAROSSERIETEILES, SOWIE FERTIGUNGSSTRASSE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN ÉLÉMENT, EN PARTICULIER D'UNE PARTIE DE CARROSSERIE, ET CHAÎNE DE FABRICATION PERMETTANT DE METTRE EN OEUVRE LEDIT PROCÉDÉ

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Application

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Abstract (en)

[origin: WO2010112140A1] The invention relates to a process for producing a component, in particular a vehicle body part, in which process a workpiece (10) passes through a plurality of production stages in order to produce the component and a production process is carried out in each production stage, and the workpiece (10) is fed to a machining station for carrying out each production process in order to perform each production stage, wherein at least one of the production processes involves hot-forming of the workpiece (10), for which purpose the workpiece (10) is subjected to a first, at least partial heating operation, and at least one further production process is carried out on the workpiece (10) after the hot-forming step. Provision is made for the hot-forming to be followed by at least partial reheating of the workpiece (10) by means of at least one heating device (41, 42, 43) arranged between machining stations in the production process sequence in order to improve the deformability of said workpiece and/or to reduce the strength in preparation of the further production process. The invention also relates to a production line for producing a component, in particular a vehicle body part, which is suitable in particular for carrying out the process according to the invention.

IPC 8 full level

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